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COMPOSITE NONWOVEN SHEET

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Inventors:

- HIROSHIMA MASAHIRO
- NAKAJIMA SACHIKO

Applicants

- ASAHI DU PONT FLASH SPAN PRODUCTS KK

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Abstract:

PROBLEM TO BE SOLVED: To provide an excellent sense of wearing comfortableness while having barrier properties by incorporating a moisture permeability, mechanical characteristics and water pressure resistance by setting the permeability to a specific value and a water resistance and burst strength to specific values or more in a composite nonwoven sheet. **SOLUTION:** This composite nonwoven sheet is obtained by complexing a polyolefin nonwoven fabric made of a three-dimensional reticular fiber by a flash spinning method and an urethane resin sheet. As the method for complexing the polyolefin nonwoven fabric and the resin sheet, a partially thermally laminating, hot melt powder scattering, dispersively coating of hot melt adhesive in a fiber shape or the like is used. In this case, the composite nonwoven sheet has a moisture permeability based on a JIS L-1099A-1 method of 1,000 to 10,000 g/cm²/24 hrs, a water resistance measured according to JIS L-1092 high hydraulic pressure method of 3000 mm or more, and a burst strength measured according to JIS L-1096 of 5 kg/cm² or more. The urethane resin sheet is non-porous, and has moisture permeability and a thickness of 3 to 50 μm. **COPYRIGHT:** (C)1999,JPO

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